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PATENT

Case Docket No. NDTCO.010A

Date: July 8, 2004

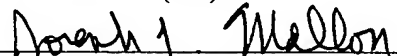
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Cammack et al.
Appl. No. : 10/800,934
Filed : March 15, 2004
For : METHODS FOR EXTENDING
AMORPHOUS
PHOTOREFRACTIVE
MATERIAL LIFETIMES
Examiner : Unknown
Group Art Unit : 1756

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 8, 2004

(Date)


Joseph J. Mallon, Reg. No. 39,287

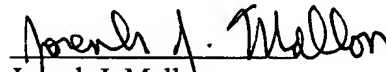
TRANSMITTAL LETTER

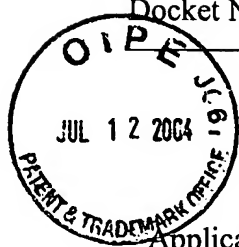
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 listing twenty-seven (27) references, however, only twenty-one (21) references are enclosed.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.


Joseph J. Mallon
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INFORMATION DISCLOSURE STATEMENT

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing twenty-seven (27) references. Copies of disclosed U.S. patents and/or publications are not included pursuant to PTO waiver of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for applications filed after June 30, 2003. Copies of other references, if listed, are enclosed.

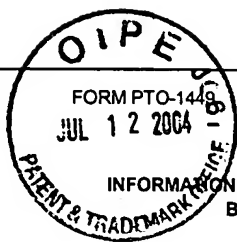
This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: July 8, 2004

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FORM PTO-1449 JUL 12 2004 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. NDTCO.010A	APPLICATION NO. 10/800,934
	APPLICANT Cammack		
	FILING DATE March 15, 2004	GROUP Unknown	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
	1	5,064,264	11/12/91	Ducharme et al.			
	2	5,724,460	03/03/98	Hayden et al.			
	3	6,090,332	07/18/00	Marder et al.			
	4	6,237,913	05/29/01	Kamille			
	5	6,610,809	08/26/03	Yamamoto et al.			
	6	6,653,421	11/25/03	Yamamoto et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	7	WO 00/49465	08/24/00					

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER INITIAL		
	8	Aguilar, M. et al., Int. J. Optoelectronics 1994, 9(5), pp. 379-383.
	9	Ashkin, A. et al., Appl. Phys. Lett. 1966, 9, p. 72.
	10	Cox, A.M. et al., "Crystallization-resistant photorefractive polymer composite with high diffraction efficiency and reproducibility," Appl. Phys. Lett., Vol (68)20, pp. 2801-2803 (1996).
	11	Feinberg, J. et al. Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 5, pp. 151-198.
	12	Goonsekera, A. et al. Appl. Phys. Lett. 2000, 76, pp. 3358-3360.
	13	Grunnet-Jepson, A. et al., "High performance photorefractive polymer with improved stability," Appl. Phys. Lett., Vol. 70(12), pp. 1515-1517 (1997).
	14	Gunter, P. et al, Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 1, pp. 1-5.
	15	Gunter, P. et al., Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 6, pp. 205-274.
	16	Hendrickx, E. et al., Phase stability of guest/host photorefractive polymers studied by light scattering experiments," Appl. Phys. Lett., Vol. 71(9), pp. 1159-1161 (1997).
	17	Hendrickx, E. et al., "Synthesis and Characterization of Highly Efficient Photorefractive Polymer Composites with Long Phase Stability," Macromolecules, Vol. 31, pp. 734-739 (1998).
	18	Herlocker, J.A. et al., Appl. Phys. Lett. 1999, 74, pp. 2253-2255.
	19	Kippelen, B. et al., "Nonlinear Optics of Organic Molecules and Polymers," eds. N.S. Nalwa and S. Miyata (CRC Press, New York, 1997) Chapter 8, pp. 465-513.

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	

FORM PTO-1449 U.S. DÉPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	ATTY. DOCKET NO. NDTCO.010A	APPLICATION NO. 10/800,934
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EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	20	Kippelen, B. et al., Science, 1998, 279, pp. 54-57.
	21	Klein, M.B. et al., Optics Commun. 1999, 162, pp. 79-84.
	22	Meerholz, K. et al., Nature 1994, 371, p. 497.
	23	Meerholz, K. et al., "Stability Improvement of High-Performance Photorefractive Polymers Containing Eutectic Mixtures of Electro-optic Chromophores," Adv. Mater., Vol 9(13), pp. 1043-1046 (1997).
	24	Odoulov, S.G. et al., Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 2, pp. 5-41.
	25	Petrov, M.P. et al., Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 8, pp. 325-353.
	26	Wang, Q. et al., Macromol. Rapid Commun. 2000, 21, pp. 723-745.
	27	Yu, J.W. et al., Topics in Applied Physics, Vol. 62: Photorefractive Materials and Their Applications II, eds. P. Gunter and J.P. Huignard (Springer Verlag, Berlin, 1988), Chapter 7, pp. 275-324.

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